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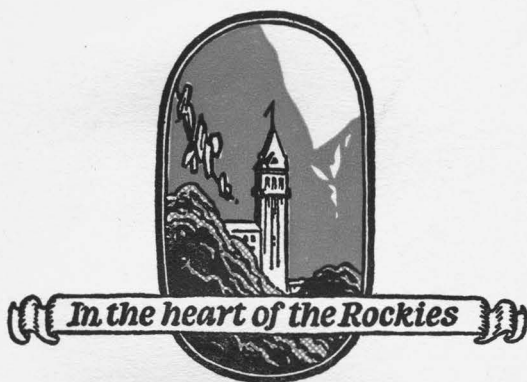
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SUMMER SESSION

CATALOGUE

1940



June 10 to July 19

Utah State Agricultural College

Logan, Utah

COLLEGE BULLETINS

Published by the Utah State Agricultural College at Logan, Utah,
Issued Bi-Monthly, Vol. 40, No. 1
January, 1940

Utah State Agricultural College
BULLETIN

Announcement for 1940
Summer Session

PLEASE BRING THIS BULLETIN WITH YOU
WHEN YOU COME TO REGISTER

Entered as second-class matter, September 10, 1918, at the Post Office
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USAC SUMMER SESSION FACULTY 1940—RESIDENT

Ariel Anderson, B.S., M.S.....	Instructor in Bacteriology
C. L. Anderson, B.S., M.S., Dr. P.H.....	Associate Professor of Public Health and Physiology
George H. Barnes, B.S., M. S.....	Assistant Professor of Forestry
Elsa B. Bate, B.S., M.S.....	Associate Professor of Child Development
Aaron F Bracken, B.S., M.S.....	Associate Professor of Agronomy
Marion T. Bird, B.S., M.A., Ph.D.....	Assistant Professor of Mathematics
Edith Bowen, B.A., M.A.....	Supervisor of Elementary Teacher Training
John Duncan Brite, A.B., M.A., Ph.D.....	Associate Professor of History
George Ballif Caine, B.S., M.A.....	Professor of Dairy Husbandry
E. A. Call	Instructor in Farm Mechanics
John C. Carlisle, A.B., M.A., Ed.D.....	Associate Professor of Education
E. G. Carter, B.S., M.S., Dr. P.H.....	Professor of Public Health and Physiology
Harold S. Carter, B.S., M.S., C.E.....	Professor of Civil Engineering
N. Woodruff Christiansen, B.S.....	Associate Professor of Instrumental Music
Christine B. Clayton, B.S., M.S.....	Professor of Foods and Dietetics
George D. Clyde, B.S., M.S.....	Professor of Engineering
Joseph Coulam, B.S.....	Assistant Professor of Woodwork
Harold H. Cutler, B.S., M.S.....	Assistant Professor of Agriculture Economics
F D. Daines, A.B., A.M., Ph.D.....	Professor of Political Science
Charlotte E. Dancy, R.N..... (Johns Hopkins Hospital)	Assistant Professor of Physiology and Nursing
Paul M. Dunn, B.S., M.S.....	Professor of Forestry
George Homer Durham, A.B., Ph.D.....	Instructor in Political Science
S. R. Egbert, B.S.....	Assistant Professor of Machine Work—Sheet Metals
R. J. Evans, B.S., Ph.D.....	Professor of Agronomy
Emily Farnum, B.S., M.A.....	Instructor in Art
Calvin Fletcher, B.Pd.	Professor of Art
J. Whitney Floyd, B.S.....	Assistant Professor of Forestry
Arden Frandsen, B.S., M.S., Ph.D.....	Professor of Psychology
Joseph A. Geddes, A.B., A.M., Ph.D.....	Professor of Sociology
Halbert Greaves, A.B., M.S.....	Assistant Professor of Speech
J. E. Greaves, B.S., M.S., Ph.D.....	Professor of Bacteriology and Biochemistry

USAC SUMMER SESSION FACULTY

1940—RESIDENT (Continued)

Howard B. Gundersen, B.S., M.A.....	Professor of Trade and Industrial Education
John M. Hadley, A.B., M.S., Ph.D.....	Instructor in Psychology and Speech
D. M. Hammond, B.S., M.A., Ph.D.....	Assistant Professor of Zoology and Entomology
W. W. Henderson, B.A., M.A., Ph.D.....	Professor of Zoology and Entomology
Caroline M. Hendricks, B.S., M.S.....	Associate Professor of Sociology
Reuben L. Hill, B.S., Ph.D.....	Professor of Chemistry
C. T. Hirst, B.S., M.S.....	Associate Professor of Chemistry
Lois Holderbaum, B.S., M.S.....	Assistant Professor of Textiles and Clothing
H. B. Hunsaker, B.S., M.A.....	Assistant Professor of Physical Education
E. A. Jacobsen, A.B., M.A., Ed.D.....	Professor of Education
Joseph R. Jenson, A.B., M.A.....	Professor of Physical Education
Ernest C. Jepps, B.S., M.S.....	Associate Professor of Industrial Education
Lewis W. Jones, B.S., M.S.....	Assistant in Bacteriology
George H. Kelker, A.B., B.S., M.S.....	Assistant Professor of Wild Life Management
Don Kirkham, A.B., A.M., Ph.D.....	Assistant Professor of Physics and Mathematics
Leonard H. Kirkpatrick, A.B., M.A.....	Assistant Professor of Education
Leon B. Linford, B.S., M.S., Ph.D.....	Professor of Physics
L. H. Linford, B.S., Ph.D.....	Assistant Professor of Physics
Milton A. Madsen, B.S., M.S.....	Instructor in Animal Husbandry
Lloyd C. Malm, B.S., M.A., Ph.D.....	Associate Professor of Chemistry
C. E. McClellan, A.B., M.A.....	Professor of Education
R. P. McLaughlin, B.S., M.F., Ph.D.....	Associate Professor of Forestry
George A. Meyer, A.B., Ph.D.....	Professor of Modern Languages
E. B. Murray, B.S., M.A.....	Associate Professor of Economics
Chester J. Myers, A.B., A.M.....	Associate Professor of Speech
L. Mark Neuberger, B.S., M.S.....	Assistant Professor of Business Administration
N. A. Pedersen, A.B., A.M., Ph.D.....	Professor of English and Speech
P. E. Peterson, A.B., C.P.A.....	Professor of Accounting
Ralph W. Phillips, B.S., M.A., Ph.D.....	Professor of Animal Husbandry
D. W. Pittman, B.S., M.S.....	Professor of Soils
Frederick Preator, B.S.....	Assistant Professor of Metals

USAC SUMMER SESSION FACULTY

1940—RESIDENT (Continued)

Russel A. Rasmussen, B.S., M.S., Ph.D.....	Assistant Professor of Animal Husbandry
Moyle Q. Rice, B.S., M.A.....	Assistant Professor of English
Edith Rich, B.S., B.L.S.....	Assistant in Library
B. L. Richards, B.S., M.S., Ph.D.....	Professor of Botany and Plant Pathology
Joel E. Ricks, A.B., A.M., Ph.D.....	Professor of History
Ludean Rogers, B.S., B.M.....	Instructor in Music
E. L. Romney, A.B.....	Director of Athletics
Arthur D. Smith, B.S., M.S.....	Assistant Professor of Range Management
R. S. Snell, B.S., M.S., Ph.D.....	Assistant Professor of Botany
Alma N. Sorensen, A.B., A.M.....	Associate Professor of English
Maxine H. South, A.B., M.A.....	Assistant Professor of Physical Education
J. Sedley Stanford, B.S., Ph.D.....	Assistant Professor of Zoology and Entomology
Addie L. Swapp, M.A.....	Teacher, Utah State Agricultural Training School
Dan A. Swenson, B.S.....	Assistant Professor of Woodwork
W. P. Thomas, B.S., M.S., Ph.D.....	Professor of Agricultural Economics
D. Wynne Thorne, B.S., M.S., Ph.D.....	Associate Professor of Soils
V. H. Tingey, B.S., M.S.....	Associate Professor of Mathematics
Alberta Turner, B.S.....	Nursery School Teacher
Mildred A. Valentine, A.B., A.M.....	Assistant Professor of Social Work
Wallace J. Vickers, B.S., A.M., Ph.D.....	Professor of English
W. L. Wanlass, A.B., A.M., Ph.D.....	Professor of Economics
Walter Welti, B.A., M.A.....	Associate Professor of Vocal Music
Clara P. West, A.B.....	Instructor in Secretarial Science
J. Stewart Williams, B.S., M.A., Ph.D.....	Professor of Geology

VISITING FACULTY AND SPECIAL LECTURERS

Ralph Barton.....	Area Supervisor of Trades and Industrial Education, Corpus Christi, Texas
O. H. Benson.....	National Director of Rural Scouting, New York City
Jennie Campbell.....	State Director of Elementary Education, Salt Lake City
Norval L. Church.....	Associate Professor of Music Education, Teachers College, Columbia University, New York City
Edward Davison.....	Professor of English, University of Colorado, Boulder, Colorado
E. E. Erickson.....	Professor of Philosophy, University of Utah, Salt Lake City, Utah
R. E. Fields.....	Industrial Arts Instructor, Denver Public Schools, Denver, Colorado
Asael Fisher.....	Industrial Arts Instructor, Provo High School, Provo, Utah
John F. Friese.....	Associate Professor of Industrial Education, Pennsylvania State College, State College, Pennsylvania
C. W. Galloway.....	Galloway Welding Co., Logan, Utah
M. H. Graham.....	Professor of Political Science, University of California at Los Angeles, Los Angeles, Cal.
Howard Hobson.....	Head Basketball Coach, University of Oregon, Eugene, Oregon
Wm. R. LaPorte.....	Professor of Physical Education, University of Southern California, Los Angeles, Cal.
Ernest G. Osborne.....	Professor of Education, Teachers College, Columbia University, New York City
Ralph M. Pearson.....	Founder and Manager of Ralph M. Pearson Design Workshop, NYAC, New York
Leonard Power.....	Coordinator of Research, Federal Radio Education Committee, U. S. Office of Education, Washington, D. C.
D. Ross Pugmire.....	Teachers College, Columbia University, New York City
G. Ott Romney.....	Director of Recreation, Federal Works Agency, Works Progress Administration, Washington, D. C.
Don Shoup.....	Shoup Auto Body Works, Logan, Utah
Carl Snavely.....	Head Football Coach, Cornell University, Ithaca, New York

VISITING FACULTY AND SPECIAL LECTURERS (Continued)

J. Duncan Spaeth.....	Formerly Professor of English, Princeton University: Visiting Professor of English, University of Wichita, Wichita, Kansas
Dorothea Spaeth.....	Private Dance School, Wichita, Kansas
H. W. Teichroew.....	Coordinator at St. Paul Vocational School, St. Paul, Minnesota
Frank L. West.....	L. D. S. Commissioner of Education, Salt Lake City, Utah
Lorin F. Wheelwright.....	Supervisor of Music, Salt Lake City Schools, Salt Lake City, Utah
John A. Widtsoe.....	Former President Utah State Agricultural College and University of Utah
Harry E. Wood.....	Director Fine and Practical Arts and Vocational Education, Indianapolis Public Schools, Indianapolis, Indiana

STANDING COMMITTEES

- Attendance and Scholarship**—Professors Dunn, Hill, V. H. Tingey, Colonel Cross, Mr. Bell.
- Certification of Teachers**—Professors McClellan, Neuberger, Mr. Bell.
- Entrance**—Professors Hirst, Egbert, Mr. Madsen, Mr. Clark, Mr. Bell.
- Graduate Work**—Professors Maeser, J. E. Greaves, Evans, Willard Gardner, Jacobsen, P. E. Peterson, Mr. Bell.
- Registration**—Professors V. H. Tingey, George Jensen, Bate, Hammond, Mr. Kirkham, Mr. Bell, Mr. Berntson.
- Student Employment**—Mr. Pocock.
- Summer Session Entertainment**—Professors Joseph R. Jenson, South, Dean Croft, Dean Williams, Mr. Hunsaker, Mr. Vanderhoff.
- Teacher Placement**—Professor C. E. McClellan.

UTAH STATE AGRICULTURAL COLLEGE

1940 SUMMER SESSION

Founded on March 8, 1888, the Utah State Agricultural College has served the people of the Intermountain country for more than fifty years. Leadership training has been provided in a well-organized program both in systematic organized courses on the Campus and activities off the Campus.

The College has regarded as one of its responsibilities the organization of a program for professional improvement and up-grading of trained leaders. The annual Summer Session provides one of the chief agencies in performing this function. The coming Summer Session which begins Monday, June 10th, and continues for six weeks, will be the thirty-fourth annual summer program offered by the College. During that period, summer sessions at Logan have achieved wide recognition because of the delightful environment, the high quality of teaching and the democratic spirit on the campus which makes summer study both interesting and profitable.

The College this year presents a very liberal program of courses in the various fields taught by members of the resident faculty and by distinguished educators from the leading graduate institutions of the country. The curriculum has been designed primarily to provide basic work for prospective teachers and a definite professional improvement program of present teachers leading to advanced degrees. High school graduates and lower division students will find it possible to register for basic courses that will enable them to move forward in their college program of study. The present college students may hasten their graduation by registering for required courses in their training program during the summer courses.

VISITING FACULTY

In selecting the visiting faculty members, an effort has been made to vary the offering and emphasis each year in order that all summer school students may have an opportunity for professional improvement and work toward an advanced degree.

Unusual offerings will be available this year from visiting faculty members in the fields of art and music, literature, education and philosophy, physical education, and industrial education.

Teachers in elementary and secondary education will have an opportunity to register with Dr. Ernest G. Osborne, of Columbia University, in consideration of principles for the cooperation of home, school, and community. Dr. E. E. Erickson, of the University of Utah, will give courses in philosophy.

Teachers of art will be afforded the experience of working with Ralph M. Pearson, founder and manager of the Pearson Design Workshop of N. Y. A. C., New York. Unusual courses will be offered in music by Norval L. Church, of Columbia University, and Lorin F. Wheelwright, supervisor of music of Salt Lake City Schools.

The visitors in the field of physical education and recreation will include Professor William R. LaPorte, professor of Physical Education, University of Southern California, Los Angeles; G. Ott Romney, director of recreation, Federal Works Agency, Works Projects Administration, Washington, D. C.; and Miss Dorothea Spaeth of Wichita, Kansas. The annual coaching school will be conducted the first week with Carl Snavelly, head football coach at Cornell University, and Howard Hobson, head basketball coach at the University of Oregon.

Dr. John A. Widtsoe, former president of the Utah State Agricultural College and the University of Utah, and Dr. Franklin L. West, commissioner of education of the L. D. S. Church, will both give courses in the field of ethics and character education. Both of these fields are receiving increased emphasis in our present-day education. Both of our visiting faculty members have had a wide experience in serving educational institutions in the Western States.

The visiting faculty in industrial education represents a wider range of courses and a more modern concept of present trends in this field than in any previous summer session. These specialists include: Professor John F. Friese, of Pennsylvania State College; Harry E. Wood, of Indianapolis; H. W. Teichroew, of St. Paul, Minnesota; Ralph Barton, of Corpus Christi, Texas; R. E. Fields, of Denver, Colorado; and Asael Fisher, of Provo, Utah.

Students of literature will have another opportunity to register with Dr. J. Duncan Spaeth, former professor of English at Princeton, and profit from the series of lectures given by Professor Edward Davison of the University of Colorado.

REGISTRATION

Registration for the Summer Session will take place Monday, June 10, beginning at 8 a. m. and continuing to 3:30 p. m. Students who fail to complete registration on Monday may do so any succeeding afternoon from 1 to 5 p. m. The first step in registering is to call at the Registrar's Office to obtain registration forms and instructions. No classes except the coaching school are scheduled for Monday.

Seven and one-half credits are considered a normal load. The maximum load for which students may register without special action of the attendance and scholarship committee is nine credits for the full six weeks; Five credits for three weeks, or three credits for two weeks. If excess credit is granted by the Committee, a special fee of \$1 per additional credit will be charged. A reduction of one and one-half credits per week will be made in the maximum credits allowed late registrants, as well as those students who register for less than the six weeks period. Scheduled courses, whether regular or inter-session, will not be given if less than five students register.

All graduate students who wish to complete requirements for the Master of Science degree must register with the Committee on Graduate Work. This committee's office for Monday, June 10, is the Registrar's Office; thereafter, Room 306, Widtsoe Hall.

CLASS SCHEDULE

Classes will begin at 7 a. m. throughout the Summer Session. There are four periods during the morning hours: 7, 8, 9, and 10. Bells ring on the hour and classes begin ten minutes later, that is, at 7:10, 8:10, 9:10, etc. The 11 o'clock hour is kept open as a lecture period and no classes, except in Mechanic Arts, are scheduled at that time. Afternoon classes begin on the hour at 1 p. m. and continue on the hour to 5 p. m. Evening lectures will be held at 7:30 p. m. unless otherwise announced.

GRADUATE WORK

For detailed information on graduate work see general catalogue. Those who expect to register for work leading to an advanced degree should submit their credits to Dr. Sherwin Maeser, chairman of the Committee on Graduate Work, several weeks in advance of registration and indicate the subject in which they wish to major. This will make it possible to have the course of study approved at the time of registration. The registration card must be signed by Dr. Maeser. For a more complete statement of requirements for the Master of Science or the Master of Education degree, consult the general catalogue.

Students in agriculture wishing to do graduate work during the Summer Session may register for the regular summer school work and be assigned to specific duty with members of the Experiment Station staff. Credit will be given for this work toward an advanced degree. Students who anticipate taking advantage of this opportunity should apply early so that the particular work in which they are interested may be arranged in connection with the summer program. Registration for such work must be completed before the end of the Summer Session.

MASTER OF EDUCATION DEGREE

The offering of the Master of Education degree is restricted to those who have had successful teaching experience and emphasizes the professional improvement aspect of teaching. The Master of Education degree is offered in five major divisions of work: Agriculture, Home Economics, Biological Science, Physical Science and Social Science. The work leading to this diploma aims to serve the following purposes:

- (a) Provide graduate training in professional education.
- (b) Provide a clearer understanding of the learner and his needs.
- (c) Provide a clearer understanding of society and its needs.
- (d) Provide enriched background of subject matter in the field of the teaching major.

Requirements for the Master of Education degree are set forth in the general catalogue or may be obtained by request to the Department of Education.

FEES

General Registration Fee for Six Weeks.....	\$20.00
Registration for Three Credits or Less.....	8.00
Registration for Three weeks or less (Not Exceeding Five Credits)	12.00
Coaching School Fee.....	10.00
(Students who pay the regular \$20 fee may attend the Coaching School without additional charge.)	
Listening Course Fee.....	2.00
Excess Credit (for each credit)	1.00
Intersession Fee (five credits)	10.00
Laboratory Fee for Mechanic Arts 122.....	10.00
Child Guidance, Home Economics 60.....	1.00
Library Science 20, (Book Week)	2.00

LIVING ACCOMMODATIONS

Board and room accommodations can be obtained near the campus at very reasonable cost. Many small apartments are also available for the Summer Session. The college maintains a Housing Bureau which is prepared to aid students in making satisfactory living arrangements.

The Women's Residence Hall will be open during the Summer Session and reservations should be made in advance through the Dean of Women or the Secretary's Office at the Utah State Agricultural College. Accommodations are available on the basis of two people in a room or one person in a room. Meals for the residents of the Hall will be served in the Cafeteria each day through the Summer Session. All inquiries concerning the Women's Residence Hall should be addressed to the Dean of Women.

A WEEK WITH BOOKS

A Week with Books has been especially planned for librarians, parents, and teachers. Each lecture is an entity in itself, so that those who are unable to attend the full series are welcome to visit individual sessions. The program will begin each morning at 8 a. m. and will be finished by 11 a. m. so that those who wish may attend the regular 11 o'clock Summer Session lecture program. All lectures are to be given in the College Auditorium.

Those who wish to receive college credit (one-half credit) should register for Library Science 20. Those who are not interested in receiving college credit will not be required to pay any fees, take any notes, or do anything except enjoy the lectures.

All those attending the lectures are invited to examine books in the Children's Library, which will be open every afternoon from

1 to 5 and to browse in the magazine section of the Main Reading Room. The librarian will be free for individual conferences about book prices, book selection, and the like daily at 1 p. m.

The daily program is as follows:

Monday, June 17

BOOKS FOR THE YOUNGER CHILD

Books for the Pre-School Child—Professor Elsa Bate

Classics of Childhood—Dr. N. A. Pedersen

Art Books and Illustrated Books for Children—Ralph M. Pearson

Tuesday, June 18

BOOKS FOR THE YOUNGER CHILD

Building Reading Interest and Ability—Dr. Arden Frandsen

Books of Fact—Professor Edith Bowen

Recent Children's Books of Merit—Dr. N. A. Pedersen

Wednesday, June 19

BOOKS FOR THE OLDER CHILD

Dramatic Literature—Professor Halbert Greaves

Novels for the Young Folks—Dr. J. Duncan Spaeth

Poetry for the Non-Poetic—Dr. Edward Davison

Thursday, June 20

BOOKS FOR ADULT READING

The Twentieth Century Novel—Professor Moyle Q. Rice

The Twentieth Century Poet—Dr. Edward Davison

Literature of Escape—Dr. J. Duncan Spaeth

Friday, June 21

PLANNING A CLUB PROGRAM OR BOOK REVIEW

How to Choose Books for Reviewing—Dr. N. A. Pedersen

How to Review a Novel—Dr. J. Duncan Spaeth

How to Review Poetry—Dr. Edward Davison

EDUCATION BY RADIO

A two-day conference on July 11 and 12 sponsored by The Federal Radio Education Committee which will include lectures by Dr. Leonard Power, coordinator of Research, and assistant to the chairman of Federal Radio Education Committee, and Dr. I. Keith Tyler, director, Evaluation of School Broadcasts, Ohio State University. This conference will enable college faculty members and Summer Session students to receive a first-hand account of the more significant findings of radio research studies and the problems facing both broadcasters and educators working together to further education through radio.

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SECOND DRIVERS' SCHOOL

Traffic safety is to receive a further impetus through the second year's offering of a teacher's training course in Driver Education and Traffic Safety at the Utah State Agricultural College from June 10 to 28.

Two specially trained members of the College resident staff will have active charge of the class. They will be aided by various state agencies who are cooperating in a general program of traffic safety.

READING AND CONFERENCE COURSES

For many years there has been a need of courses in various fields which would meet the requirements of experienced teachers wishing to do advanced work in their field. This summer the College again offers courses in several departments titled "Reading and Conference," designed to fit the need.

Students who register for one or more of these courses will be directed by a member of the staff in selected reading in their field of interest. Frequent conferences and consultations will be held with the staff member during the Session. Such courses should permit able teachers and students to advance more rapidly than would be possible in the more formal courses.

INDUSTRIAL EDUCATION

A wide variety of courses in Industrial Arts and Vocational Trades and Industrial Education is being offered during the 1940 Summer Session. Nationally known educators will be present to conduct courses in both the manipulative and professional education fields. These visiting faculty members will be supplemented by members of the resident faculty in various fields.

The offering at this Summer Session is a part of a continuing program under which students may direct their efforts towards an advanced degree and at the same time meet the certification requirements of the State Department of Public Instruction.

The offering this year consists of thirteen manipulative courses in Industrial Education in the fields of Handicraft, Auto Mechanics, Drawing, Art Leather, Jewelry, Welding, Ornamental Metal, Plastics, Ceramics, and Art Woodwork. In addition several graduate courses in the fields of professional industrial education are being offered. These courses cover the fields of Principles of Design Applied to Industrial Arts projects, Visual Aids for Industrial Arts, Shop Organization and Management, Courses of Study Building, Techniques in Writing Instruction Sheets, Coordination in Trade and Industrial Education, and Vocational Advisement, Placement, and Adjustment.

The course in Traffic Safety for high school teachers, which was introduced last year, will be repeated this year. The course will be conducted by Professors Carter and Jeppsen and will run for a period of three weeks beginning June 10th. It will be repeated the second three weeks.

FORESTRY SUMMER CAMP

The School of Forestry will hold its annual field practice training camp at the permanent headquarters at Tony Grove in Logan Canyon. Headquarters is situated within the Cache National Forest about twenty-two miles from the College Campus, and is within easy walking distance of the privately owned school lands. The instruction period will be ten weeks, starting with registration at the Forestry building June 10 and closing August 17.

The field instruction is required in all departments of the School of Forestry between the sophomore and junior year, and is a prerequisite to all the technical courses of the junior year. Practical field methods are stressed rather than theory. Instruction is given in surveying; forest measurements, management, improvements and protection; range management, and wildlife management under supervision of the forestry faculty. Sixteen hours of credit will be given for the ten weeks of work. Quarters and beds are furnished, but bedding and personal effects must be provided by the student. The tuition fee is \$20 and board is \$5 per week.

COACHING SCHOOL AND PHYSICAL EDUCATION

Carl G. Snively, football coach at Cornell University, and Howard Hobson, basketball mentor at the University of Oregon, highlight the fourteenth annual Summer Camp for Coaches. Snively has sent Cornell into football prominence the last few years, and in 1939 boasted an undefeated, untied season. He is recognized as a scholar of football. The football classes are slated for each morning, June 10 to 14, inclusive.

At Oregon, Coach Hobson brought recognition when he produced the national champions of 1939. Proclaimed as one of the leading young coaches of the nation, Hobson's record at Oregon is brilliant. During the four years at that institution the Oregon five has twice won the northern division title, and last year marched on to the Pacific Coast crown and national honors. The basketball classes will come each afternoon during the week.

INTERSESSION

Regularly scheduled Intersession Classes will begin Monday, July 22 and continue for four weeks. Five credits may be earned during this period. Any regular college course which is not scheduled for the Intersession will be given in that period if ten students petition

for and join the class. Credit in the Interession is computed on the basis of one hour of credit for 12 one-hour lecture periods (each of the student) or 12 three-hour laboratory periods. Registration forms will not be accepted after the close of any Interession period in which the classes are given.

Students who desire to register for credit in research problems or field studies must make the necessary arrangements with the Registrar's Office during the Interession period. Credits allowed and fees charged for this type of study will depend on the time spent and the work accomplished.

TEACHERS' CERTIFICATION

By attending the Summer Session of the Utah Agricultural College, it is possible to meet any of the requirements for Utah Certification with the exception of practice teaching; and, since the College is on the Accredited List of the Association of American Universities credit will be allowed for any subject completed in the Summer Session that forms part of the certification requirements of any state.

By September 1, 1942, beginning elementary teachers' certificates will be issued on four years of college credit in elementary education.

TEACHERS' BUREAU

A Teachers' Bureau under the direction of Professor C. E. McClellan functions in connection with the Summer Session. All teachers seeking employment may register in this bureau. Superintendents and others who employ teachers will find it to their advantage to consult the list of applicants which will be furnished upon request.

RECREATION

The location of the College makes the Summer Session a recreative as well as an educational experience. Trips can be made to interesting areas only one or two hours distant. Logan Canyon is just a mile away. Its cool breezes make the nights comfortable in the hottest summer weather. The splendid nine-hole golf course of the Logan Golf and Country Club will be available to students to pay green fees. Student socials are held frequently during the regular Session. Tennis courts, a swimming pool, and other facilities for pleasant physical activity are for the use of the Summer Session students. An intramural program will be conducted daily at 12 o'clock on the quadrangle.

KEY TO BUILDINGS

M—Main Building
A—Mechanic Arts Building
E—Engineering Building
P—Plant Industry Building
L—Animal Husbandry Building
G—Gymnasium

N—Library Building
F—Forestry Building
W—Widtsoe Hall or Chemistry Building
H—Home Economics and Commons Building

Courses of Instruction

AGRICULTURAL ECONOMICS AND MARKETING

W. P. Thomas, Professor

H. H. Cutler, Assistant Professor

105. **Agricultural Finance.** A study of agricultural credit with regard to requirements, facilities, instruments, and methods of financing agriculture. This involves an analysis of our present financial organization and its relation to agriculture. Special attention will be given to the agencies authorized by the Federal Government to provide financial aid and credit to farmers and farmers' organizations. Two and one-half credits. Daily 8. M178. Staff

110. **Marketing Agricultural Products.** A course in principles of marketing, including cooperative marketing, particularly designed for students in agriculture. Two and one-half credits. Daily 9. M178. Staff

154. **Principles of Agricultural Economics.** An introduction to the field of agricultural economics with emphasis on the application of economic principles to the solution of agricultural problems. Prerequisite, Economics 51, or its equivalent. Two and one-half credits. Daily 10. M178. Staff

AGRONOMY

R. J. Evans, Professor

D. W. Pittman, Professor

A. F. Bracken, Associate Professor

D. Wynne Thorne, Associate Professor

101. **Cereal Crops.** The classification, history, and cultural methods involved with production of cereal crops. Three credits. Daily 8 and 10. Lab. daily 2-5. June 10 to 21. P202 Bracken

108. **Soil Management.** Consideration is given to cultivation, crop rotation, maintenance of organic matter, fertilizers, water relations, alkali, and other problems encountered in the management of arid soils. Three credits. Lecture M. T. W. Th. 8. Lab. T. Th. 2-5. P201. Pittman or Thorne

ANIMAL HUSBANDRY

Ralph W. Phillips, Professor

Russel A. Rasmussen, Assistant Professor

Milton A. Madsen, Instructor

10. Feeds and Feeding. The composition of feeds and of animal products, how animals digest and utilize feed. The balancing of rations and a brief discussion of the feeding of horses, cattle, sheep, and swine for economical production. Prerequisite, Chemistry 10, 11, 12. Five credits. Daily 1-3. L208. Rasmussen

125. Sheep Husbandry. A study of both range and farm sheep production. The leading breeds of sheep and their adaptation to the different husbandry practices and their feed requirements under various systems of management. Two and one-half credits. Daily 3. L208. Madsen

ART DEPARTMENT

Calvin Fletcher, Professor

Emily Farnum, Instructor

Visiting Faculty

Ralph Pearson

Founder and manager of Ralph M. Pearson Design Workshop,
NYAC, New York

Art 3-103. Art Understanding and Appreciation. Five lectures for six weeks. Two and one-half credits. Daily 1. M51. Pearson

Art 5, 105, 205. Painting. Elementary, advanced or on the graduate level in any medium. Students work any time. 30 hours for each credit. Criticism. Daily 8-11. M54. Pearson

Outside 5:30 to 8:30 p. m. Tuesday and Thursday. (See bulletin Board for places.) Fletcher

Art 4, 104, 204. Freehand Drawing. 30 hours for each credit. Students may register for five credits. Criticism. M. W. F. 2-4. M56. Fletcher

Art 6, 106. Sculpture, modeling, direct cutting in stone or wood carving, casting. 30 hours of work per credit. Criticism. T. Th. 2-4. M56. Fletcher

Art 7, 107. Illustration. Technique of pen, ink, wash, gouache as applied to general illustrating, scientific illustration, and costume illustration. 30 hours for each credit. Criticism. Daily 2-4. M54.
Fletcher

Art 13, 113. Art Metalry. Copper work, pewter, silver, aluminum, smithing. 30 hours work per credit. Criticism. Daily 9-11. M52.
Farnham

Art 14, 114. Leather Work. Tooling, modelling, lacing, dyeing, finishing, etc. 30 hours per credit. Criticism. Daily 9-11. M52. Farnham

Art 15. Basketry. Sewed or wicker type with grass reed or raffia. 30 hours per credit. Criticism. Daily 9-11. M52. Farnham

Art 16, 116. Wood Ornamentation. Elect any of the following: carving, enameling and gesso, gilding. 30 hours per credit. Criticism. Daily 2-4. M54. Fletcher

Art 17, 117. Fabric Decoration. Elect batik, tie and dye, blockprinting, embroidery, stenciling, silk screen work. 30 hours per credit. Criticism. Daily 9-11. M52. Farnham

Art 19, 119. Jewelry. Stone Cutting. 30 hours per credit. Criticism. Daily 9-11. M52. Farnham

Art 35. Creative Composition. Recommended to accompany Art 3. Students choose their own mode of expression from many fields of plastic or applied art. 30 hours work for each credit. One to five credits. Criticism. Daily 8-11. M54. Pearson

Art 51. Drawing for Elementary Grades. Methods of teaching drawing, painting, etc., in grade schools. Two and one-half credits. Daily 8. M51. Farnham

Art 52. Design for Elementary Grades. Methods of teaching design and color to grade school children. How to tie this work in with drawing, handwork or crafts, rhythm work and other elementary curriculum subjects. Structural as well as ornamental phases will be taken up. Two and one-half credits. Daily 7. M54 Fletcher

Art 115. Graphic Art. Choose etching, wood block, lithography, wood engraving, monotyping. Criticism. 30 hours per credit. T. Th. 2-4. M54. Fletcher

BACTERIOLOGY AND BIOCHEMISTRY

J. E. Greaves, Professor

Ariel Anderson, Instructor

Lewis W. Jones, Assistant

1. General Bacteriology. This course deals with the bacteriology and significance of bacteria. The following are considered: The development of bacteriology; the morphology and physiology of bacteria; bacteria in air, food and water; and the role bacteria play in the arts, industries and the production of disease. Two and one-half credits. Daily 9. P302. Greaves

101. Industrial Microbiology. This course deals with the part played by micro-organisms in the arts and industries. Prerequisites, General Bacteriology and Organic Chemistry, or Chemistry 122. Two and one-half credits. Daily 8. P302. Anderson

109. Advanced Bacteriology. A course dealing with special phases of bacteriology. Prerequisite, General Bacteriology. Two and one-half credits. Daily 10. P302 Jones

BOTANY

B. L. Richards, Professor

R. S. Snell, Assistant Professor

1a. Plant Life. A non-technical course on plant life, especially adapted to the needs of elementary teachers as well as teachers of biology. Special attention is placed on economic plants and those plants of Utah which are available to elementary teachers and high school teachers of the state. Four credits. M. T. W. Th. 2-4. P105. Snell

BUSINESS ADMINISTRATION

P. E. Peterson, Professor

L. Mark Neuberger, Assistant Professor

Clara P. West, Instructor

100. Essentials of Accounting. A course intended to develop accounting technique. A knowledge of principles will be acquired through the preparation of short problems. The course will be of interest both to the general student and those specializing in business subjects. Two and one-half credits. Daily 7. M302. Peterson

130. Problems of Investment. A thorough study of the principles to be followed in meeting the investment problem of the individual or the corporation. Types of securities; criteria of judging investment merit of offered securities. The development of an investment policy for individuals, banks, investment trusts and insurance companies. Lectures and assigned cases. Two and one-half credits. Daily 8. M302. Peterson

151. Problems of Retail Merchandising. Basic principles of Retail Merchandising will be studied including management methods and control. Lectures and assigned cases. Two and one-half credits. Daily 9. M302. Peterson

Secretarial Science

65. Indexing and Filing. Principles will be studied and thorough practice given on all principal filing systems. Alphabetic, Numeric, Geographic, Subject, Soundex. The indexing, coding, and filing of letters, cards, blueprints, catalogues and other business forms will be emphasized. Two and one-half credits. Daily 10. M330b. Neuberger

75. First Quarter Stenography. This course is designed for students who have had no previous training in shorthand, and includes a thorough drill in the fundamentals of Gregg shorthand. Two and one-half credits. Daily 10. M351. West

80. Advanced Stenography. This course is designed for students who have had one year of shorthand at this institution or elsewhere. It includes: An intense review of the theory of Gregg Shorthand with the development of new vocabulary, the study of letter forms and arrangements, transcripts. Special attention will be directed toward the attainment of speed in taking dictation together with the making of perfect transcripts. Five credits. Daily 8-10. M351. West

86. First Quarter Typewriting. For students who have not had any typewriting. This course is designed to develop correct technique in: position, syllable, word, and sentence drill; stroke, rhythm, number, and shifting drills; mastery of keyboard; introduction of "Timed" writing; finger exercises; analysis of errors. Average speed end of quarter, 20 words a minute. One credit. Daily 1. M330a. Neuberger

97. Office Appliances. This course is designed to give students a knowledge of the operation of two machines which are widely used in the modern business office. The following machines will be studied:

Burroughs Calculating Machine. Application of the calculating machine to various business computations such as addition, multiplication, subtraction, division, accumulation, fixed decimal point work, percentages, chain discounts, prorating, decimal equivalents, constants, and inventories.

Burroughs Commercial and Bank Posting Machines. Instruction and practice in the application of the posting machine to book-keeping methods in commercial business houses and banks.

Two and one-half credits. Daily 9. M330c.

Neuberger

185. Reading and Conference in Business Education. A course providing for individually directed study. Two and one-half credits. Hours arranged.

Neuberger

CHEMISTRY

Reuben L. Hill, Professor

C. T. Hirst, Associate Professor

Lloyd E. Malm, Associate Professor

15. Qualitative Analysis. This course is intended for students who have not taken Chemistry 5 and who desire a theoretical and practical background for quantitative analysis. One lecture and five three-hour laboratory periods per week. Prerequisites, Chemistry 4 or 11. Three credits. Lecture T. 8. Lab. daily 8-11 or 1-4. W302.

Hirst

102-103. Quantitative analysis. This course corresponds to the regular course given during the winter and spring quarters. Each course requires one lecture and five three-hour laboratory periods a week. A student registering for both courses would be required to spend six hours each day at laboratory work and should not register for additional work except by special permission. Prerequisites, Chemistry 5 or 15. Three credits each course. Lecture M. W. 2. Lab. daily 8-11 or 1-4. W204.

Hirst

121. Organic Chemistry. Fundamental principles of Organic Chemistry. The aliphatic hydrocarbons and their derivatives. This course corresponds to the regular course given in the fall quarter. Prerequisite, Chemistry 5 or in exceptional cases, Chemistry 11. Five credits. Lecture daily 9. Lab. daily 2-5. W204.

Malm

122. Organic Chemistry. Fundamental Principles of Organic Chemistry. The aromatic hydrocarbons and their derivatives. This course corresponds to the regular course given in the winter quarter. This course will be given as a full time intersession course if registration justifies. Prerequisite, Chemistry 121. Five credits. Arranged. W204.

Malm

125-129 or 225-229. Advanced Topics in Organic Chemistry. One of the advanced topics listed on page 105 of the 1939 general catalogue will be treated. The subject will be selected to meet the needs of the

majority of the members of the class. Prerequisite, Chemistry 122. Two and one-half credits. Daily 8. W204. Malm

130. **Colloidal Chemistry.** A course in the chemistry of colloids and their relationship to the vital processes in plant and animal life. Prerequisite, Chemistry 12 or 122. Two and one-half credits. Daily 10. W204. Malm

140 or 240. **Physio Chemical Methods.** An advanced laboratory course. Time and credit to be arranged. Malm

DAIRY HUSBANDRY AND MANUFACTURING

George B. Caine, Professor

110. **Dairy Production.** A study of purebred cattle breeding. Care and management of dairy sires. Special emphasis on feeding for milk production. A brief study of metabolism and the characteristics of feeds and feeding standards. A thorough study of housing dairy cattle. Three credits. Daily 9-11. Lab. daily 2-4. June 10 to 21. L205. Caine

ECONOMICS

W. L. Wanlass, Professor

E. B. Murray, Associate Professor

125. **Labor Economics.** A study of development, government, governmental problems, policies and relations of labor organizations; study of labor legislation, the main divisions of which relate to the legal minimum wage, woman and child labor, and the various phases of social insurance, against the hazards of unemployment, sickness and old age. Prerequisites, Economics 51 and 52 or their equivalent. Two and one-half credits. Daily 7. M357. Murray

150. **Types of Economic Organization.** A study of the various forms of economic organization that have been proposed, including some of the Utopias, Marxian Socialism, Collectivism, the Single Tax, Consumers' Cooperatives, Syndicalism, Guild Socialism, Communism, Fascism, and Capitalism. Two and one-half credits. Daily 9. M357. Murray

167. **Banking.** Functions and operations of commercial banks will be studied critically. Special attention will be given to the operations of central banks as they are found in England and in the United States.

Recent monetary and banking developments will be analyzed. Two and one-half credits. Daily 8. M357. Murray

204. **Reading and Conference.** A course providing for individually directed study in selected phases of Economics. Two and one-half credits. Hours arranged. Murray

EDUCATION

E. A. Jacobsen, Professor

C. E. McClellan, Professor

John C. Carlisle, Associate Professor

Edith Bowen, Supervisor of
Elementary Training

Addie L. Swapp, Supervising Teacher, Utah
State Agricultural Training School

Visiting Faculty

Ernest G. Osborne, Assistant Professor of
Education, Teachers' College
Columbia University

Jennie Campbell, State Director of
Elementary Education
Salt Lake City, Utah

D. Ross Pugmire, Teachers' College,
Columbia University

101. **The Elementary School Program.** A study of the major purposes of the elementary school and the contribution of the recognized subject matter fields to these purposes. Consideration will be given to the State Program of Elementary Education. One and one-fourth credits. First three weeks. Daily 9. M280. Campbell

102. **Personality Development of the School Child.** Examples of classroom behavior will be related as observed by members of the class and the question asked, "Why does this child behave in this particular way?" From this the idea of behavior as a symptom will be developed and the class will work back to possible causes or reasons. Emphasis will be on positive behavior. Contributing factors will be studied separately, but in the setting of individual cases. One and one-fourth credits. Second three weeks. Daily 9. M280. Swapp

107a. **Problems in the Teaching of Reading in the Elementary School.** The practical problems of learning to read will receive consideration. The place of reading in the school program. Types of experiences that

develop interests, readiness and purposes for reading at the various levels of ability. One and one-fourth credits. First three weeks. Daily 2. M355. Campbell

107b. **Books for the Elementary School Library.** The purpose of this course is to extend the teachers' acquaintance with trade books suitable for the different levels of the elementary school. The emphasis will be placed upon books published in the last ten years. The library facilities are such as to make this wide acquaintance possible. One and one-fourth credits. Second three weeks. Daily 2. M355. Bowen

109a. **Teaching Problems in the Elementary School.** To assist teachers in meeting the issues in organizing and guiding the school life of a group of children and in contributing to the effective operation of the school as a whole. Problems considered: planning the school day, planning and guiding children's activities, securing and utilizing instructional materials, evaluating the work, grouping pupils in the classroom for effective instruction, and maintaining desirable school-home relationships. One and one-fourth credits. First three weeks. Daily 8. M280. Osborne

109b. **Teaching Problems in the Elementary School.** A continuation of Education 109a. One and one-fourth credits. Second three weeks. Daily 8. M280. Bowen

110. **Diagnostic and Remedial Teaching.** A consideration of the specific objectives of the elementary school and methods of analyzing the extent to which these objectives are reached. Diagnostic and remedial measures with respect to various areas of the curriculum will be studied. Two and one-half credits. Daily 9. M279. Carlisle

113s. **Guidance and Personnel.** A study of the meaning, purposes, trends and present status in the guidance movement. An analysis of the various agencies in guidance and personnel work and how to organize them in our secondary school system. Two and one-half credits. Daily 8. M359. Carlisle

165. **Rural Education.** An overview of the major problems of rural life as they relate to education. The adaptation of general educational objectives to rural conditions especially as they pertain to Utah. The organization of rural schools, the course of study, and methods in education suited particularly to the rural school problem on both elementary and secondary levels. Two and one-half credits. M. W. F. 7:00 to 8:30 p. m. N314. Jacobsen

196a. **Programs and Principles for the Cooperation of Home, School and Community.** Primarily for those teachers, parents, administrators and other community workers who are responsible for the development of more effective home-school-community relationships and for those who wish to be informed concerning developments in this area. Pro-

grams are examined for their validity in terms of (1) community needs, (2) contemporary philosophies of education, (3) recent relevant findings in sociology, psychology, and education. Discussions are largely based on actual community situations and programs. Opportunity for individual consultation is offered to those engaged in such work in their own schools. One and one-fourth credits. First three weeks. Daily 10. M280. Osborne

196b. **Programs and Principles for the Cooperation of Home, School and Community.** A continuation of Education 196a. One and one-fourth credits. Second three weeks. Daily 10. M280. Swapp

217. **Problems in Secondary Education.** The work of the class will be devoted to a review of selected research reports and national committee publications dealing with the more pressing problems of secondary education. Two and one-half credits. Daily 2. M357. Carlisle

222. **Federal Relations to Education.** Topics considered: The evolution of control of education in the United States; the participation of Federal government in educational affairs; the needs for Federal participation; proposals for Federal activities in education. Two and one-half credits. Daily 1. M351. Pugmire

222s. **Changing Conceptions of School Administration.** School administration will be viewed in the light of its historical development and its relation to social developments and educational philosophy. Two and one-half credits. Daily 9. M355. Jacobsen

227. **Problems of the Critic Teacher.** A study of theories underlying the teacher training program. Standards of qualification for the critic teacher. Conversion of educational theory into teaching procedure. Provisions for practice in the art of teaching. Two and one-half credits. Daily 9. M351. Pugmire

227s. **Teaching Problems in Secondary Schools.** Vital problems of present day secondary education will be examined with a view to seeing what science, philosophy and experience have given us on the method side of such questions as determining objectives, selecting curricula, use of textbooks, the use and abuse of units, giving examinations, and how to get thinking in the learning process. (Credits for this course may be substituted for those required for the Principles of Education course.) Two and one-half hours credit. Daily 8. M283. McClellan

266. **Research Studies and Teacher Efficiency.** In this course explorations will be made into the field of educational research—its principles, methods, achievements for education, and its possibilities for helping busy but forward-looking teachers. Two and one-half hours credit. Daily 10. M283. McClellan

Character Education

191. **The Philosophy of Happiness.** A consideration of the nature and component parts of happiness and the relationship of the factors of happiness in the home, the community, and the state, and the effect of these factors on character building. Lectures and projects. Two and one-half credits. First three weeks. Class meets twice daily at 8 and 10. M354. Widtsoe

192. **Character Education and Personality Development.** A study of contemporary moral and spiritual problems, particularly those of youth, with a consideration of standards of conduct in a changing world, and methods of personality development. Religion, its problems and values as related to personality and character. Two and one-half hours credits. Second three weeks. Class meets twice daily at 8 and 10 M354. West

Library Science

Leonard H. Kirkpatrick, Assistant Professor

Edith Rich, Reference Librarian

20. **Book Selection Conference.** Attendance at fifteen lectures required for credit. Notebook and special report must be submitted. One-half credit. Second Week. Daily 9-11. Auditorium. Kirkpatrick

120. **Cataloging and Classification.** Principles of classification and technique of cataloging as adapted to school libraries. Five credits. Daily 8-10. N314. Kirkpatrick

125. **Library Work with Children.** Study of the special problems of elementary school libraries and the children's division of public libraries with reference to books, equipment, and personnel. Two and one-half credits. Daily 10. N310. Rich

155. **Book Selection.** Study of the aids to book selection, with exercises in the choice of books and magazines for school libraries. Two and one-half credits. Daily 1. N310. Rich

ENGLISH

N. A. Pedersen, Professor

Wallace J. Vickers, Professor

Alma N. Sorensen, Associate Professor

Moyle Q. Rice, Assistant Professor

Visiting Faculty

J. Duncan Spaeth, Professor of English,
University of Wichita,
Wichita, Kansas

1. **College Grammar.** A double course. Five credits. Daily 9-11. N316. Vickers

10 or 110. **Sophomore Composition or Junior Composition.** English 10 is required for graduation of all students not offering its equivalent. May not be taken in the Freshmen year. English 110 is required of all graduates, beginning with the class of 1940. These courses will stress correctness and effectiveness in sentence, paragraph, and theme; give practice in organizing and outlining of material, and in expository writing. Students taking 110 will be required to write a brief research paper. Four credits. Daily 8 and M. W. Th. 2. N310.

Rice

24. **Literature for Children.** Introduction to the literature of childhood, old and new. The course is adapted to teachers of children, parents and builders of personal or community libraries. Two and one-half credits. Daily 7. Moore Library.

Pedersen

120. **Current Periodical Literature.** This course is designed to acquaint the student with the vast and important field of the present day magazine. It should aid materially in bringing up to date the thinking in several fields. In reading for the second part of the course, students will be permitted to follow their own special interests. Two and one-half credits. Daily 8. N316.

Vickers

195. **Contemporary Novels.** Reading and interpretation of selected novels from Great Britain, America, France, Germany, and Russia, with emphasis given to the British and American. Choice of novels to be read may be made from a list of one hundred or more contemporary masterpieces which best mirror the social and literary forces of the twentieth century. Two and one-half credits. Daily 9. N310.

Rice

196. **Shakespeare.** A study of a representative group of comedies, histories, tragedies and dramatic romances with emphasis upon Shakespeare's development as a dramatist and upon the Shakespearean drama as an interpretation of human experience, including: Romeo and Juliet, A Midsummer Night's Dream, As you Like It, Julius Caesar, Antony and Cleopatra, Hamlet, Othello, King Lear, Macbeth, The Tempest. Lectures, interpretive reading and comment with reports on assigned topics. Two and one-half credits. Daily 8. M204.

Spaeth

197. **The Poets of the Romantic Revival.** Lectures and interpretative readings covering Scott, Wordsworth, Coleridge, Byron, Shelley, and Keats. The relation of these poets to the main movements of their time; their work as art and as criticism of life. Two and one-half credits. Daily 10. M204.

Spaeth

GEOLOGY

J. Stewart Williams, Professor

2. **Introductory Historical Geology.** An introduction to the study of earth history including the evidence from the rocks, the interpretation of the evidence and a sketch of the geological history of plants and animals, including man. Five credits. Daily 7-9. M283. Williams

HISTORY

Joel E. Ricks, Professor

John Duncan Brite, Associate Professor

111. European History. Medieval Institutions. A study of the political, economic, social, and religious institutions of the Middle Ages. Particular attention will be paid to the feudal system, monasteries and schools, the development of the church, medieval guilds, town life and universities, and the rise of constitutional monarchies. Two and one-half credits. Daily 7. N312. Brite

128. European History. Twentieth Century World. Two and one-half credits. Daily 9. N312. Brite

160. United States History. United States in the Twentieth Century. Two and one-half credits. Daily 8. N312. Brite

SCHOOL OF HOME ECONOMICS

Christine B. Clayton, Professor

Elsa B. Bate, Associate Professor

Charlotte E. Dancy, Assistant Professor

Lois Holderbaum, Assistant Professor

Alberta Turner, Nursery School Teacher

Child Development

24. Literature for children. Introduction to the literature of childhood, old and new. This course is adapted to teachers of children, parents and builders of personal and community libraries. Two and one-half credits. Daily 7. Moore Library. Pedersen

35. Nutrition and Growth of Children. A study of the physical development and nutritional requirements of all age levels. Two and one-half credits. Daily 1. H203. Clayton

60. Child Guidance: Open to all girls in college wishing to acquire a knowledge of, and a degree of skill in the guidance of young children. This course should be helpful to prospective homemakers and to elementary school teachers. Laboratory in the Nursery School is arranged. Students expecting to enroll should not register for daily classes at 9, 10, 11, or 12. A laboratory fee of \$1.00 is required. Two and one-half credits. Daily 8. M134. Bate

125. Mothercraft. This course includes a study of the anatomy and physiology of the reproductive system, preparation for motherhood, and the physical care of mother and child from the prenatal period to the end of the first year of the child's life. Prerequisite, Physiology 4. Two and one-half credits. Daily 1. H212. Dancy

140. **Special Problems.** Open to qualified students majoring in Child Development. Time and credit to be arranged. Dancy

110. **Child Psychology.** (See Psychology 110.)

Foods and Nutrition

35. **Nutrition and Growth of Children.** A study of the physical development and nutritional requirements of all age levels. Two and one-half credits. Daily 1. H203. Clayton

106. **Meals for the Family.** This course includes the planning, preparation and serving of meals for the family with consideration given to the nutritional adequacy of the meals at different levels of income. Three credits. Lecture M. F. 9, H203; Lab. T. W. Th. 9-11, H103. Clayton

142. **Dietetics.** A review of the fundamentals of chemistry and biology as applied to human nutrition with practice in the calculation of dietaries in health and in disease. Required of all vocational Home Economics students. Prerequisites, Nutrition 5 and Organic Chemistry. Three credits. Daily 8, H203; Lab. T. Th. 2-4, H103. Clayton

160. **Special Problems.** Open to qualified students majoring in Foods or Nutrition. Time and credit to be arranged. Clayton

General Home Economics

25. **Home Hygiene and Care of the Sick.** A course in home nursing and first aid to the injured. The first hour is devoted to discussion, the laboratory to demonstrations and practice. Reading of reference material and writing of special reports required. Laboratory apron needed. See instructor. Class limited to twenty-four students. Two credits. M. W. 3; Lab. T. Th. 3-5. H206. Dancy

Textiles and Clothing

100. **Family Clothing Problems.** Study of problems connected with family clothing. Includes budgets, clothing reclamation, and children's clothes. Remodeling and renovation of demoded garments with emphasis upon good design and applicable techniques. Study of the selection and construction of clothing for children of all ages, from the standpoint of health, beauty, cost, and convenience. Prerequisites, Textiles and Clothing 9, 11, 20; Art 1 and 2; Economics 51. Costume Design 115 is recommended as a prerequisite or parallel. Two and one-half credits. Daily 2-4. H214. Holderbaum

115. **Costume Design.** Art structure in its application to dress. Studies of personality and types of people; harmonies in spacing, rhythm, balance, color theory. Designing for various occasions. Outside work required. Prerequisites, Art 1 and 2. Two and one-half credits. Daily 9-11. H214. Holderbaum

190. **Special Problems.** Open to qualified students majoring in Textiles and Clothing upon consultation with instructor. Time and credit arranged. Holderbaum

INDUSTRIAL EDUCATION

Resident Faculty

George D. Clyde, Professor
Howard B. Gunderson, Professor
Harold S. Carter, Professor
Ernest C. Jeppsen, Associate Professor
Dan A. Swenson, Assistant Professor
S. R. Egbert, Assistant Professor
Frederick Preator, Assistant Professor
Joseph Coulam, Assistant Professor
E. A. Call, Instructor

Visiting Faculty

Jerry R. Hawke
Agent, Trade and Industrial Education, Federal Security Agency,
U. S. Office of Education, Washington, D. C.

Harry E. Wood
Director Fine and Practical Arts and Vocational Education,
Indianapolis Public Schools, Indianapolis, Indiana

John F. Frieser
Associate Professor of Industrial Education, the Pennsylvania State
College, State College, Pennsylvania

H. W. Teichroew
Coordinator at St. Paul Vocational School, St. Paul, Minn.

Ralph Barton
Area Supervisor, Trade and Industrial Education, State Department of
Education, Stationed at Corpus Christi, Texas

R. E. Fields
Industrial Arts Instructor, Skinner Junior High School,
Denver Public Schools, Denver, Colorado

Asael Fisher
Industrial Arts Instructor, Provo High School, Provo, Utah

LeRoy France
Auto Mechanics Instructor, Utah State Agricultural College

Don Shoup
Shoup Auto Body Works, Logan, Utah

Charles W. Galloway
Galloway Welding Company, Logan, Utah

Industrial Arts

2. Engine Principles. Designed principally for teachers of industrial arts, covering the purpose, construction, operation and service of the different units in the modern automobile engine. One and one-fourth credits. Daily 3-5. July 1 to July 19. A109. France

9. Elementary Handicraft. This course will be given to elementary teachers who want to have a workroom in their building which can radiate the idea of hand work as a part of the child's progress. Training will be given in wood, leather, blockprinting, stenciling, weaving, bead work, etc.

Plans and projects that can be used in the workroom will be developed so that each teacher will have a course of study for use in the schools. Two and one-half credits. Daily 3-5. June 10 to July 19. Wood Shop. Fisher

90. Body, Fender and Paint Reconditioning. Designed principally for teachers of industrial arts. Theory and practice in metal finishing, upholstering and painting. One and one-fourth credits. Daily 3-5. June 10 to June 28. A112. Shoup

91, 92, 93. Shop Drawing. The use of instruments and types of lettering used on template drawings and graphic solutions. Standard elements which make up mechanical drawings used in industry. The theory of shape and its representation in orthographic projections, section, auxiliary views, revolutions, and size description. Isometric drawings and translation of orthographic into pictorial drawings. Two and one-half credits. Daily 1-3. June 10 to July 19. Engineering Drawing Room. Preator

107. Art Leather. For teachers of industrial arts, club leaders and home crafters. A consideration of materials and tools used and their costs. Methods employed in flat modeling, embossing, carving, cutting, and staining; simple projects such as card cases, billfolds, coin purses, handbags, belts, hunting knife cases and camera cases, will be made. Methods of teaching art leather work in the industrial arts courses in high schools will be stressed. One and one-fourth credits. Daily 1-3. June 10 to June 28. Shop. Fisher

108. Jewelry. For teachers of industrial arts, club leaders, and home crafters. A consideration of materials and tools used and their cost. A course of study showing methods of teaching and projects applicable in the industrial arts courses in the high schools will be worked out. One and one-fourth credits. Daily 1-3. July 1 to July 19. A102. Fisher

109. Advanced Art Leather. A continuation of Art Leather 107. For those who desire practice on advanced projects. Specially designed for the industrial arts teachers who desire to teach advanced art leather in the senior high school. One and one-fourth credits. Daily 1-3. June 10 to June 28. A102. Fisher

110. Advanced Jewelry and Lapidary. A continuation of Jewelry 108. For those who desire practice on advanced projects, including stone (semi-precious), grinding and polishing. Specially designed for the industrial arts teachers who desire to teach Jewelry and Lapidary work in the senior high school. One and one-fourth credits. Daily 1-3. July 1 to July 19. A102. Fisher

122. Oxy-Acetylene and Electric Welding. A study of the oxy-acetylene welding process, equipment, gases, properties of the various metals. Practice in the welding of cast iron, steel, aluminum, and other metals is given. Also the proper methods of pre-heating and the preparation of cylinder blocks and other castings. Laboratory fee \$10. One and one-fourth credits. Daily 3-5. June 10 to June 28. A110. Galloway

141. Ornamental Metal. A course for industrial arts teachers which emphasizes up-to-date school shop projects and approved methods of teaching. Projects in art copper and metal spinning will be developed. One and one-fourth credits. Daily 3-5. July 1 to July 19. A102. Preator

142. Plastics. Recognizing the trend toward the use of modern and varied materials, this course is planned to give the teacher a command of the information and techniques necessary to carry on successful units based on the use of the cast resinoids broadly classed as "plastics." In this course projects will be made which require practice in the operations of sawing, turning, embossing, bending, cementing, drilling, inlaying, and finishing of plastics. Operation and information units will be developed in a syllabus which teachers will find useful in introducing this material to students. One and one-fourth credits. Daily 1-3. July 1 to July 19. Shop. Fields

143. Ceramics. This course will present in a clear, concise manner the operation involved in the field of Ceramics. The units covered will include mixing, wedging, rolling, modeling, sizing, casting, pressing, throwing on the wheel, turning, building with coil, sticking up with slabs, glazing and firing. Special emphasis will be given to design and proportion. Units will also be offered in casting, carving, turning and finishing Keene's cement projects and color cement work if there is a demand for them. One and one-fourth credits. Daily 3-5. July 1 to July 19. Shop. Fields

170. Art Woodwork. This course deals with the decorative means that craftsmen employ to make their products appeal to the artistic taste. The following phases will be treated by lecture and demonstration and supplementary laboratory work. Art turning, chip carving, band saw shaping, scrolling, twisted turning, inlaying and overlaying. Consideration will also be given to decorative effects obtained by two-tone staining, bright colored stains and lacquers, burning, and fine polishing. One and one-fourth credit. Daily 1-3. June 10 to June 28. A209. Swenson

202. Fundamental Principles of Design Applied to Industrial Arts Projects. This course will offer a study of the underlying principles of design, especially as applied to industrial arts and craft work. Particular stress will be laid on the method of instruction used. Class appraisal of all designs will be a part of the teaching plan, so that in addition to getting individual criticism, each person making a design will receive the benefits of the criticisms of the entire group. In addition to developing skill in drawing and design, methods of teaching and evaluating designs will become a part of the training program. This course is a prerequisite to Problems in Design. Two and one-half credits. Daily 10. June 10 to July 19. E203. Wood

203. Visual Aids for Industrial Arts. This course will survey the field of visual aids and classify the different kinds. Opportunity in class will be given for developing specifications for the making of visual aids and teaching devices, and additional credit will be given for those who have access to a shop and can construct some of the proposed visual aids. Topics to be covered include: Why have teaching aids; kinds of teaching aids; of what value are visual aids; why are visual aids needed; how are they prepared; types of visual aids; methods of preparing visual aids; what should be the outcome of visual methods of instruction; the value of visual aids teaching and visual tests; bibliography. Two and one-half credits. Daily 8. June 10 to July 19. E203. Wood

205. Shop Organization and Management. A study of the kinds of shops and the objectives of work offered in them. This course will treat of the materials and equipment needed in various kinds of shops, methods by which purchase of equipment and materials is made, control of costs, preparation of instructional aids, value of visual aids, methods of improving instruction records, importance of design, standards and care of equipment. Two and one-half credits. Daily 7. June 10 to July 19. E203. Wood

CE126. Driver Education and Traffic Safety. This course is designed primarily for high school teachers who desire to offer a course in driver training and safety to high school students. The course is designed to acquaint teachers and others with available instructional materials in the field of driver education and the latest methods of presenting such materials in the class room and on the road. Supervision during practice will be arranged for each student. Special lectures. Registration limited to 20. Two and one-half credits. Daily 1-3. Lab. to be arranged. June 10 to June 28; July 1 to July 19. E203 Carter and Jeppsen

212. Course of Study Building in Industrial Arts Education. A study of steps in the construction of courses of study, together with analysis as a basis of course materials. The courses of study, which will be made by members of the class for different units of work in the industrial arts field, will include methods of teaching, problems, teaching aids, examinations and correlations. Two and one-half credits. Daily 8-11. June 10 to June 28. E205. Friese

Trades and Industries

213. Course of Study Building in Trade and Industrial Education. A study of the steps in the construction of courses of study, together with analysis as a basis of course materials. A course of study, including methods of teaching, problems, teaching aids, examinations, correlations, will be made by each of the shop, trade technical, and trade related instructors. Two and one-half credits. Daily 8-11. June 10 to 28. E205. Frieese

214. Techniques in Writing Instruction Sheets. A study of the basic principles underlying the development of instruction sheets that can be used in shop, trade technical, and trade related classes. Two and one-half credits. Daily 1-3. June 10 to June 28. E205. Frieese

215. Coordination in Trade and Industrial Education. A course dealing with the functions of coordinators in their relationship to the administration and supervision of vocational education programs. The responsibilities and duties of coordinators will be set up, followed by considerable emphasis on the procedures most successful in the performance of these duties. Preferably the enrollment in the course should be limited to those with experience or at least to those with definite assignments as coordinators since the aim of the course is to provide procedures or specific problems. Two and one-half credits. Daily 7-9. June 10 to June 28. E304. Teichroew

216. Vocational Advisement, Placement and Adjustment. A course designed to help coordinators and others to solve problems of organization, administration and procedures used in advisement, placement and adjustment. Emphasis will be upon analysis of individuals, and techniques useful in securing ultimate adjustment. Two and one-half credits. Daily 1-3. June 10 to June 28. E304. Teichroew

217. Organization of Programs in Diversified Occupations. This course will present methods and devices used in the organization and operation of programs in diversified occupations. The procedures that have proven successful will be demonstrated. Field work will be arranged. Two and one-half credits. Daily 9-11. June 10 to June 28. E306. Barton

Farm Mechanics

AE11. Forging and Bench Metal. A course covering elementary forging and forge welding, including fundamental tool processes such as sharpening and maintenance of all metal working tools. Much emphasis will be placed on tool work that should be done in a farm shop. One and one-half credits. Daily 2-5. June 10 to June 21. Shop. Egbert

35. Elements of Plumbing. A study and practice of the fundamental skills necessary to maintain or install simple plumbing systems. The maintenance of faucets, hot water systems, lavatories, cleaning of drains and traps, protection from frost, pipe fitting and installation of simple fixtures. One and one-half credits. Daily 8-11. June 10 to June 21. Shop. Egbert

AE60. Farm Drawing. A course to prepare the student to do the drawing necessary to plan farm projects. Only those instruments will be used that might be used in an average farm shop. The drawing fundamentals will be taught and applied directly to farm projects. One and one-half credits. Daily 8-11. June 10 to June 21. E101.

Coulam

64a. Farm Building Construction. A study of farm structures, and thorough training in the proper use and care of woodworking tools and equipment. Practice in building farm projects. One and one-half credits. Daily 2-5. June 10 to June 21. Shop.

Coulam

72a. Farm Concrete. Adaptations of concrete to farm uses. Sand and gravel tests, mixes for various farm projects, cement, sand, gravel and water proportions, curing; proper practice building farm projects, form building. One and one-half credits. Daily 2-5. June 10 to June 21. Concrete Testing Laboratory.

Call

86a. Rural Electricity. A practical course covering installation of simple house wiring systems, protective measures, calculating load and wire sizes, meter reading, costs, fixture arrangement in homes, barns, milk houses, power installations, proper maintenance of electric motors. One and one-half credits. Daily 8-11. June 10 to June 21. Shop.

Call

MATHEMATICS

V. H. Tingey, Associate Professor

M. T. Bird, Assistant Professor

50. Descriptive Astronomy. An elementary course, non-mathematical, and given to acquaint the student with the relation of the earth to the solar and sidereal universes. Three credits. Daily 10. Laboratory one evening per week. M361.

Tingey or Bird

110. Statistics. An introductory course in modern statistical methods. The basic statistical constants will be discussed and the modern methods of treating small samples will be gone into in some detail. Three credits. M. T. W. Th. 9. M134. Laboratory 2-5 any two afternoons. M330.

Tingey or Bird

140. Methods in Teaching Mathematics. This course will consider ways and means of enriching offerings in mathematics in grades one to twelve, inclusive. Two and one-half credits. Daily 8. M206.

Tingey or Bird

MODERN LANGUAGES

George A. Meyer, Professor

21. Foreign Language Pronunciation (French). This course is designed primarily for students in Music, Art, Speech and radio announcing. Open to all who wish to improve their pronunciation of termin-

ology and proper names encountered in literature, music and art. Basic drills on the fundamentals of pronunciation of French. Two credits. First three weeks. Daily 9 and M. W. F. 2. M361. Meyer

22. **Foreign Language Pronunciation (Italian and Spanish).** Basic drills on the fundamentals of pronunciation of Italian and Spanish. Two credits. Second three weeks. Daily 9 and M. W. F. 2. M361. Meyer

101a. **Second Year French.** This course will be especially adapted to students who have had First Year French, or its equivalent, in high school or by private study. The aim will be to give the drill in idioms, vocabulary and grammar that are essential to the use of French for reading and investigation in the fields of science and for meeting language requirements for higher degrees. Outside reading will be required. Three credits. Daily 10. M359. Meyer

MUSIC

N. Woodruff Christiansen, Associate Professor

Walter Welti, Associate Professor

Ludean Rogers, Instructor

Visiting Faculty

Norval L. Church

Associate Professor, Teachers College, Columbia University

Dr. Lorin F. Wheelwright

Supervisor, Salt Lake City Schools

11-111. **Harmony.** A class to include those who have had no previous work in harmony as well as those who have taken an elementary course. Attention will be given to individual needs. Two and one-half credits. First three weeks. Daily 10 and 3. M130. Christiansen

114. **Conducting, Intermediate and Advanced.** The technique of conducting will be given under actual working conditions as well as in class. Students will have an opportunity to conduct a special summer school orchestra, assembled for clinic purposes. Individual problems will receive consideration. Two and one-half credits. First three weeks. Daily 9-11. M133. Church

121. **Teaching and Supervision of Instrumental Music.** A theoretical and practical course designed to meet the problems of the teacher of bands and orchestras. Points in teaching the various instruments, particularly the unusual ones, will be stressed. Two and one-half credits. First three weeks. Daily 1-3. M133. Church

175. **Music Materials and Techniques of Interpretation—For Elementary Schools.** This course is planned to help teachers and principals

select and interpret the best songs, radio programs, supplementary reading books, and dramatizations for successful music teaching in the elementary school. Members of the class will participate in a critical review of materials and will be given mimeographed lists of select songs and scripts for dramatization. Special attention will be focused on conducting technique and principles of interpretation. Two and one-half credits. Last three weeks. Daily 9-11. M130.

Wheelwright

180. **Opera Appreciation.** For teachers and laymen. A study of operatic literature through recordings available in the Carnegie Music Library. This course should be followed by Music 181. One and one-fourth credits. First three weeks. Daily 8. M130.

Christiansen

181. **Symphony Appreciation for Teachers and Laymen.** This course may be preceded by Music 180. Emphasis will be placed upon symphonic music and recordings especially adapted for school room use. One and one-fourth credits. Last three weeks. Daily 8. M130.

Wheelwright

155. **Voice Instruction.** For beginners, advanced students, and teachers of voice. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged.

Welti

160. **Piano Instruction.** For beginners, advanced students, and teachers of voice. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged.

Rogers

PHILOSOPHY

Visiting Faculty

Ephraim E. Ericksen

Professor of Philosophy, University of Utah

1. **Elementary Social Ethics.** A brief genetic approach to the problem of social ethics, followed by an application of the method to the moral consciousness in family, economic, and religious life. Two and one-half credits. Daily 9. M305.

Ericksen

101. **Introduction to Philosophy.** A general discussion of the fundamental problems in Philosophy. The philosophic viewpoint and method will be stressed. Two and one-half credits. Daily 10. M305. Ericksen

211. **America's Social Morality.** A study of the ethical aspects of vital social-economic problems in the light of America's philosophical heritage on the one hand and the new trends in ethical thought on the other. One credit. W. 2. M303.

Ericksen

PHYSICAL EDUCATION

Coaching School

E. L. Romney

Director of Athletics, Utah State Agricultural College

Carl G. Snively

Head Football Coach, Cornell University

Howard Hobson

Basketball Coach, University of Oregon

120. **Methods of Coaching for Men.** A theoretical and practical consideration of training and coaching men's athletic teams.

120B. **Basketball Coaching.** June 10-14 inclusive. Daily 2:30-5 p.m.
One credit. Howard Hobson

120F. **Football Coaching.** June 10-14 inclusive. Daily 7:30-11 a.m.
One credit. Carl G. Snively

PHYSICAL EDUCATION

Joseph R. Jenson, Professor

Maxine H. South, Assistant Professor

H. B. Hunsaker, Assistant Professor

Visiting Faculty

Ralph LaPorte

Head of the Department of Health, Physical Education and Recreation,
University of Southern California, Los Angeles

G. Ott Romney

National Director Recreation Program, Works Progress Administration

Dorothea Spaeth

Teacher, Lecturer, Dancer, Kansas City, Missouri

18. **Elementary Swimming.** Men. One credit. Daily 3. Pool. Jenson

24. **Tennis.** Men and Women. One credit. Daily 3. Men's Gym.
Jenson

49. **Elementary Creative Dancing.** Class will include elementary technique in relaxation, strength, limbering and coordination; exercises for fundamentals of the dance, emphasizing discovery of natural rhythms and movements of the body leading to simple dance forms. Composition and the creative dance will also be given. Women. One credit. Daily 8. Women's Gym. Spaeth

53. **Elementary Swimming.** Women. One credit. Daily 1. Pool.
Jenson
57. **Elementary Badminton.** Men and Women. One credit. Daily 10.
Hunsaker
62. **Elementary Archery.** Men and Women. One credit. Daily 9.
Men's Gym. Hunsaker
64. **Intramural Sports.** Class designed for recreation. Teams will be organized and tournaments in Softball, Badminton, Tennis and Horse-shoes will be conducted. Contests will be scheduled about three times per week. One credit. Daily 12. Men's Gym. Hunsaker
142. **Problems in Creative Dancing.** The course will include body technique to develop a strong, flexible instrument. The study of three fundamental types of movement: swing, sustained and percussive, to develop the medium; and the study of space, time, and force relationships in terms of form to develop a sense of Dance leading into group and individual compositions. Women. Two credits. Daily 8-10. Women's Gym. Spaeth
163. **Recreative Games.** Men and Women. A class in the study and practice of leisure-time activities. Clock golf, badminton, shuffleboard, croquet, archery, volleyball, table tennis, will be presented. Two and one-half credits. Daily 2. Men's Gym. Jenson
171. **Tap Dancing.** Men and Women. One credit. Daily 3. Women's Gym. South
173. **Social Dancing.** A study of fox trot, waltz and tango; fundamental steps and routines. One credit. Daily 1. Men's Gym. South
182. **Materials and Methods in Physical Education for the Elementary Schools.** A study of the rhythmic game activities for grades one to six; play days, recess and after school programs; intramural programs. First three weeks. One and one-fourth credits. Daily 2. Women's Gym. South
186. **Heavy Apparatus.** A study of methods of teaching gymnastics such as parallel bars, horse, horizontal bar and rings. One credit. Daily 3. Men's Gym. Bell and Hunsaker
192. **Tests in Physical Education.** Practical studies of tests now in use. Technique of test construction, test administration and test interpretation will be studied. Course will include sport skill testing, tests for classification, posture tests and strength tests. Two and one-half credits. Daily 1. G27. Hunsaker
193. **Organization of Intramural Programs for Women.** Includes practice in methods of presenting and coaching sports and athletics for girls. Baseball, basketball, volleyball, tennis, soccer, speed ball, archery and swimming arranged seasonally. One and one-fourth credits. Daily 2. Second three weeks. Women's Gym. South
250. **Reading and Conference.** A course providing for individually directed study. Two and one-half credits. Hours arranged. Jenson
274. **Philosophy of Recreation and Its Demonstration.** (a) This course aims at the Philosophy of Recreation and its objectives in the leisure-time problem in America, national, state, church and city set-ups.

(b) **Social Recreation, Games and Dancing**, this course will demonstrate the use of these activities in community life. Two and one-half credits. Beginning second week. Daily 7:30-9:30 p.m. Gym.

G. O. Romney and Staff

280. **Recreation and Physical Education in Education**. A review of the problem content of Education and its relationship to recreation and Physical Education. A tie-up will be made of the field of General Education with Recreation, with the leisure-time problem here, it should acquaint the teacher with what the national program of Recreation means to our schools. Lecture and demonstration. Two credits. Beginning second week. Daily 10. Gym.

G. O. Romney

282a. **Problems in Curriculum Construction in Physical Education**. Essential steps in formulating the curriculum in physical education for the several grades with consideration of the basic elements to be taught in the various activities, problems in organization of content material and class procedure to insure proper gradation of material and systematic progress in various school levels. Prerequisite, 12 units of professional courses in physical education. June 17 to June 28. Daily 7. G27.

LaPorte

283. **Interpretation of Physical Education Objectives**. An analysis of the results and values of Physical Education activities under leadership in terms of development, adjustment, and standards and their relationship as objectives. Two and one-half credits. Daily 9. G27. Jenson

285. **Administration of Intramural Sports**. A study of present types of intramural programs now in vogue in Junior and Senior High Schools. Administration, sports, schedules, scoring systems, motivation and awards are problems studied. Each student selects a type of school and builds an intramural syllabus as a final project. Two and one-half credits. Daily 8. G27.

Hunsaker

292. **Seminar in Health and Physical Education**. A seminar course for advanced students in physical education and health education. Special study of acute problems in the field of organization and administration, supervision, teacher training, and research. Prerequisite: 12 units of professional courses in physical education. One and one-half credits. June 17 to June 28. Daily 8. M358.

LaPorte

PHYSICS

Leon B. Linford, Professor

L. H. Linford, Assistant Professor

Don Kirkham, Assistant Professor

3a. **Introductory Physics**. A brief survey of the fields of Mechanics, Molecular Physics, and Heat. The lectures will be illustrated by carefully planned demonstration experiments. (Physics 3b, Electricity and Magnetism, Light, and Sound will be offered Summer 1941.) Two and one-half credits. Daily 8. W106.

Staff

20, 21, 22. **Mechanics and Molecular Physics. Electricity and Magnetism. Heat, Light and Sound.** The course designed for students majoring in science and in engineering. Upon sufficient demand, any one of the three 5-hour parts of the course will be given during the regular Summer Session and one during the Intersession. The time will be arranged for the thirty-six lectures and twenty laboratory exercises. Five credits for each part. Time arranged. W106. Staff

174. **Electricity and Magnetism.** A study of the principles of Electricity and Magnetism on the Junior level. Emphasis will be placed on the applications of the principles in science and technology. Prerequisite, a course in physics of college grade. Three credits. Daily 9, and one hour arranged. W106. Staff

PHYSIOLOGY, PUBLIC HEALTH AND HYGIENE

E. G. Carter, Professor

C. L. Anderson, Associate Professor

114. **School Health Programs.** Designed to meet the practical problems in the public schools. Essentials of a sound modern school health program; curricula, methods and techniques of teaching health for both elementary and secondary schools will be studied. Two and one-half credits. Daily 9. H212. Anderson

115. **Readings in Physiology and Hygiene.** A study of current literature in physiology and hygiene with written and oral reports. Two and one-half credits. Hours to be arranged. Anderson

180. **Advanced Physiological Hygiene.** This course deals with the most recent advances in personal hygiene analyzed from a physiological standpoint. Ocular hygiene, dental hygiene, the hygiene of growth, the hygiene of hearing, the hygiene of reproduction, the hygiene of circulation, etc., will be studied and evaluated. Two and one-half credits. Daily 10. H212. Anderson

245. **Mental Hygiene.** This course deals with the modern concept of mental hygiene, the development of personality, the physiological basis of personality, mental hygiene in the school, guidance in mental hygiene, problems of readjustment, etc. Two and one-half credits. Daily 2. H101. Anderson

POLITICAL SCIENCE

F. D. Daines, Professor

George Homer Durham, Instructor

124. **Public Opinion and Propaganda.** The nature and sources of public opinion. Political dynamics and the American public mind. The methods and techniques of "public relations" and the public relations

staff. Propaganda analysis. Problems of public opinion in a democracy. Prerequisite, one year of Social Science or consent of the instructor. Two and one-half credits. Daily 7. M355. Durham

129. **Public Administration.** Principles of management in the American Public Service with emphasis on problems of internal and external control. Analysis and theory of organization. Politics and administration. Prerequisite, one year of Social Science. Two and one-half credits. Daily 8. M355. Durham

201. **Current Political Problems.** International and domestic influences and forces in current American politics. The place of American federalism in international affairs. Political alignments for the 1940 Presidential election and their influence on local and international affairs. The politics of power in war and peace. Other current topics relevant to, or providing suitable material for analysis in terms of a science of politics, the shedding light on its probable nature, scope, and purpose. (Required of all Political Science majors and designed for upper division and graduate students in related fields.) Two and one-half credits. Daily 10. M355. Durham

PSYCHOLOGY

Arden Frandsen, Professor

E. A. Jacobsen, Professor

John M. Hadley, Instructor

102a. **Educational Psychology.** A professional course for prospective teachers, intended to increase understanding of personality and to develop greater insight into the conditions under which children learn effectively. Prerequisites, General Psychology and Elementary Statistics, the latter of which may be taken parallel with Educational Psychology. Three credits. Daily 9. M204. Hadley

102b. **Statistics Applied to Education and Psychology.** An introductory study of the statistical procedures used in handling test scores in school situations, and of the concepts which are met frequently in the literature of educational and psychological research. (Required of students taking Educational Psychology who have not previously taken elementary statistics.) Two credits. M. T. W. Th. 8. M279. Frandsen

103 or 203. **Psychology of Guidance and Personality Adjustment.** Applications of clinical psychology to educational, vocational, social and recreational guidance and to the diagnosis and prevention or correction of conduct and personality maladjustments. Psychometric devices for the measurement of intelligence, aptitudes, interests, personality, social and emotional adjustments, and study habits; analysis by observation and interviewing; and diagnosis based on comprehensive case-study will be studied and evaluated. Prerequisites, General Psychology and Elementary Statistics. Two and one-half credits. Daily 10. M279. Frandsen

110. Child Psychology. A study of the roles of maturation and learning in the motor, mental, social, and emotional development of children from birth through adolescence. Generalizations with respect to individual differences, emotional behavior, motivation, how children learn, observe, and think, will be applied to understanding and controlling children's behavior in home, school, and community. Prerequisite, General Psychology. Two and one-half credits. Daily 1. M279. Frandsen

120. Psychology of Social Behavior. A study of the adjustment of the individual to his human environment, including consideration of learning of social habits, motivation, emotions, personality, language, attitudes, and group behavior. Prerequisite, General Psychology. Two and one-half credits. Daily 2. M279. Hadley

205. Readings on Special Topics in Psychology. Credits and hours to be arranged. Frandsen

SOCIOLOGY

Joseph A. Geddes, Professor

Caroline M. Hendricks, Associate Professor

Mildred A. Valentine, Assistant Professor

The courses in Social Work offered during the 1940 Summer Session have been planned, particularly for the benefit of school coordinators, probation workers and school teachers, as well as for students who desire to further their progress in the social work field.

Sociology

161. Modern Social Problems. A study of the major problems of modern social life, and their causes and remedies. Two and one-half credits. Daily 10. M206. Hendricks

162. Marriage and Divorce. A study of the problems of mate selection, marital adjustment and divorce. A survey of present conditions. Two and one-half credits. Daily 9. M206. Hendricks

203. Reading and Conference. Individually directed study determined by needs and special interests of students. Two credits. Time to be arranged. Hendricks

Social Work

S. W. 174. Trends in Social Case Work. A brief examination of the early beginnings and directions in case work as related particularly to present emphasis in this field. An attempt will be made to explain present trends and to study current case work practices. Designed for case workers, court workers, supervisors and teachers. Two and one-half credits. Daily 10. M227. Valentine

S. W. 205. Case Analysis. The case material used in this course is selected from records and field experience of as wide a variety as possible. The course is designed for school coordinators and social workers in specific fields. Two and one-half credits. Daily 8. M227. Valentine

S. W. 207. Graduate Seminar. The social treatment of juvenile delinquents. The problems involved in the treatment of juvenile offenders and of the prevention of delinquency will be treated from the viewpoint of the home, the church, the school, the community and the correctional institutions. This course is designed for all graduates who are interested in giving community service along this line. Two credits. M. T. W. Th. 1. M227. Valentine

SPEECH

Chester J. Myers, Associate Professor

Halbert Greaves, Assistant Professor

John M. Hadley, Instructor

2. Principles of Reading. A preparatory course for those wishing to major in Speech or those desiring a background for the appreciation of good oral and silent reading. Chiefly an analytical course with but little platform reading. The how and why of effective oral reading. Two and one-half credits. Daily 8. M205. Greaves

12 or 112. Private Instruction. Advanced specialized work. Special attention is given to the student's deficiencies in speech. Work in the story, drama, novel, poetry and all the various literary forms. Special fee. It is recommended that all speech majors have five hours. Consult instructor before registering. Credit and time arranged. Staff

49. Survey of World Drama (Modern Period). Study of selected plays by the principal playwrights of the modern era, beginning with Victor Hugo and including Ibsen, O'Neill, Galsworthy, Andreyev, Benavente, Brieux, Gorki, Maeterlinck, Rostand, Wedekind, and others. Two and one-half credits. Daily 9. M205. Greaves

175. Correction of Minor Speech Defects. Treatment of such defects as lisping, cluttering, vocal monotony, and general articulatory inaccuracies. Experience in diagnosis and remedial treatment under supervision. Two and one-half credits. Daily 10. M205. Hadley

183. Problems in Speech. Special speech problems of merit and of mutual interest to student and instructor are investigated and reported upon in this course. Consult the instructor for permission to register. Time and credit arranged. Staff

Summer School Play

Each summer some outstanding play is selected and presented by the Speech Department. All regularly enrolled students are eligible for try-outs. No credit is given, however, for participation in the play.

This year's production will be directed by Professor Halbert Greaves.

ZOOLOGY AND ENTOMOLOGY

W. W. Henderson, Professor

J. Sedley Stanford, Assistant Professor

D. M. Hammond, Instructor

102. Systematic Entomology. The structure of insects is studied sufficiently to enable the student to use keys employed in classification. Each student must collect, mount, and properly identify a representative collection of insects found in the vicinity of Logan. Graduate credit may be allowed for this course. Two and one-half credits. Time arranged. Stanford

121. Reading and Conference. Individual study in specific subjects or current literature in the field of Zoology and Entomology approved by the instructor. Two and one-half credits. Hours arranged. Staff

123. Nature Study (Animal Life). Teachers in grade and high schools, and other students of Nature, will have an opportunity in this course to learn not only the names of birds, mammals, frogs, reptiles, fish, insects, etc., but also interesting and useful facts concerning their adaptations, habits, homes, and use to man. Display methods also will be discussed and illustrated. This course will aid teachers greatly in identifying their local animal life and in making study collections for their schools. Two and one-half credits. M. W. F. 9. Field trips or laboratory, M. W. 2-5. M227 and M230. Stanford

130. Human Biology. This course is offered for those students who desire to investigate the relationships of man and the lower animals. Man's reaction to climate, activity and food will be stressed. This subject matter also will give a significant background for Sociology, Psychology and Physiology. Two and one-half credits. Daily 7. M227. Stanford

201. Zoological Research. The student who wishes to engage in some line of original research and is qualified to do so, may elect and study some topic from eugenics, ecology, morphology or some other branch of zoology. Open to undergraduate students only by special arrangement with the department. Thesis required. Credit and time arranged. Staff

210. Entomological Research. Students may select or will be assigned certain problems dealing with different phases of entomology. The amount of credit will depend on the nature of the problems and the time spent. Thesis. Open to undergraduates only by special arrangement. Prerequisites, Entomology 13, 14 and 102. Time arranged. Staff

INTERSESSION CLASSES

July 22 - August 16

Education

Courses in Education will be organized in case there is sufficient demand. See Psychology offerings.

English

152. **American Literature.** A survey of the field of American literature with emphasis on the important personalities, the chief writers, and the social and political background of each period. Five hours credit. Time arranged. N310. Sorensen

History

148. **English History.** From the earliest days to the recent time. A survey of the political, economic, religious, cultural, and social developments and changes in English history from the earliest conquests onward to their culmination in the modern British Empire. Five credits. Time arranged. N312. Brite

Physics

20, 21, 22. **Mechanics and Molecular Physics. Electricity and Magnetism. Heat, Light, and Sound.** The course designed for students majoring in science and in engineering. Upon sufficient demand, any one of the three 5-hour parts of the course will be given. The time will be arranged for the thirty-six lectures and the twenty laboratory exercises. Five credits for each part. W106. Staff

Physiology, Public Health and Hygiene

108. **Public Health, Hygiene and School Health.** This course is designed to acquaint the student with a broad conception of the principles of hygiene and preventive medicine. The several approaches to positive health will be discussed and the general field of public health activities will be outlined with emphasis on health in the secondary school. Five credits. Daily 8. H212. Carter

Psychology

112 or 212. **Psychology of the Elementary School Curriculum.** A study, from the point of view of psychological theory and research, of the aims, selection and sequence of content, methods of teaching,

and measurement of outcomes in the elementary school curriculum. Two and one-half credits. Time arranged. Daily. M279. Frandsen

200. Teaching and Applying Psychology in High School. The class will analyze the psychological content in the curriculum and activities of the high school for the purposes of selecting, evaluating, and organizing teaching material, of improving methods of teaching, and of suggesting individual applications of psychological concepts. Consideration will be given to high school courses in how to study, development of personality, mental hygiene, psychology for high school students, psychological phases of the social studies, and to individual problems of guidance and adjustment. Two and one-half credits. Time arranged. Daily. M279. Frandsen